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PUBLISHED BY AUTHORITY

सं० ४६]

तई दिल्ली, शनिवार, नवम्बर १७, १९८४ (कातिक २६, १९०६)

No. 46] NEW DELHI, SATURDAY, NOVEMBER 17, 1984 (KARTIKA 26, 1906)

इस भाग में चिन्ह पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड २

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 17th November 1984

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1—327GI/84

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Calcutta-700 017.

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Telegraphic address "PATENTS".

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**APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-17**

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

10th October, 1984

- 711|Cal|84. Fidia S. p. A. Hyaluronic acid fractions having pharmaceutical activity, methods for preparation thereof, and pharmaceutical composition containing the same.

11th October, 1984

- 712|Cal|84. Frans Arthuur Benoit Dequeker. A removable partial dental restoration.

- 713|Cal|84. Bengt Arne Persson. A Flush System.

- 714|Cal|84. Beloit Corporation. Disk screen shaft and method of and means for manufacturing the same.

- 715|Cal|84. Fearing Manufacturing Co., Inc. In situ insecticide.

- 716|Cal|84. Werzalit-Werke J. F. Werz Kg. Arrangement for and method of producing shaped parts.

- 717|Cal|84. Dr. Niharendu Bikas Sinha. New approach for utilization of man made fibres pure or waste chemicals for synthesis of anionic and cationic ion exchanger for detoxification of saline and/or alkaline or purification of irrigated river water and underground water and other wide use in a very chief cost of resins.

- 718|Cal|84. Dr. Niharendu Bikas Sinha. New approach for detoxification of drinking water (river, Marine and underground) and foods containing toxic substances by few creating compound in human and animal kingdom and to some extent plant kingdom.

12th October, 1984

- 719|Cal|84. Sri Sudha Kanti Ghosh, Amiya Ranjan Ray and M. N. Roy. Micro element to be used as a television Antena (placement of antena built in indoor roof etc.)

- 720|Cal|84. KRW Energy Systems Inc. Improvements in or relating to non-mechanical conveyancing system and process.

13th October, 1984

- 721|Cal|84. Ron Allan Industries (Australia) Pty. Limited. Building Panels. (20th October, 1983)

- 722|Cal|84. (1) Vladimir Borisovich Busse-Machukas, (2) Florenty Iscovich Lvovich, (3) Evdokia Kuzminichna Spasskaya, (4) Vladimir Leonidovich Kubasov, (5) Anatoly Fedorovich Mazanko, (6) Ernest Avgusinovich Druzhinin, (7) Alexander Nikolaevich Martynov, (8) Ludmila Nikolaevna Nefina. Electrode for Electrolysis of electrolyte solutions.

- 723|Cal|84. Veb Kombinat Polygraph "Werner Lambert" Leipzig. Inking means for a printing machine. (17th May, 1984).

- 724|Cal|84. Veb Kombinat Polygraph "Werner Lambert" Leipzig. Paper feed in a rotary printing machine. (26th July, 1984)

16th October, 1984

- 725|Cal|84. Fried Krupp Gesellschaft Mit Beschränkter Haftung. Apparatus for preheating lumpy ore or the like.

**APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, IIRD FLOOR, KAROL BAGH
NEW DELHI-5**

10th September, 1984

- 705|Del|84. Ashlow Limited, "Apparatus for and method of cooling elongate stock". (Convention date September 10, 1983).

- 706|Del|84. Ashlow Limited, "A rolling mill stand". (September 10, 1983).

- 707|Del|84. Bayer Aktiengesellschaft, "Triphendioxazine reactive dyestuffs".

- 708|Del|84. GKN Kwikform Limited, "Improvements in builders scaffolding". (October 8, 1983).

11th September, 1984

- 709|Del|84. Council of Scientific and Industrial Research, "A sensor for multi ion sensitive electrode and voltammetric applications".

- 710|Del|84. Intermatch S.A., "Piezoelectric igniter, especially for a cigarette lighter or the like".

- 711|Del|84. Societe Nationale Elf Aquitaine (Production), "A production riser foot and a process for implementing same".

- 712|Del|84. Societe Nationale Elf Aquitaine (Production), "A device for lightening an undersea production riser by means of floating bodies".

- 713|Del|84. Societe Nationale Elf Aquitaine (Production), "A guide table for a marine production riser".

- 714|Del|84. Societe Nationale Elf Aquitaine (Production), "A device for connecting and disconnecting a tubular pipe movable inside a fixed tubular pipe".

12th September, 1984

- 715|Del|84. Fargo Chou, "Integrated roofing structure".

- 716|Del|84. Igor Iosifovich Podolsky & Others, "Block of granular iron oxide promoted catalyst for the synthesis of ammonia and process for producing same".

- 717|Del|84. Fargo Chou, "Inter reinforced prefabricated insulation wall".

- 718|Del|84. Rexnord Inc., "Belt Press".

13th September, 1984

- 719|Del|84. John Phillip Friedrich and Arthur Charles Eldridge, "Production of defatted soyabean products by supercritical fluid extraction".

- 720|Del|84. McDermott International, INC., "Self propelled transporter and method of transport of prefabricated offshore structures".

- 721|Del|84. Vikas Engineering Corporation, "A solar collector".

- 722|Del|84. Vikas Engineering Corporation, "A burner".

14th September, 1984

- 723|Del|84. USM Corporation, "Fluid pump".

- 724|Del|84. USM Corporation, "Polymer processors".

- 725|Del|84. The Gillette Company, "Razor handle assembly".

18th September, 1984

- 726|Del|84. Interrox, "Process for inhibiting corrosion of equipment made of titanium". [Divisional date January 31, 1981].

- 727|Del|84. Albert Frederick Wigley, "Gas/liquid contact device". (Convention date October 15, 1983 & February 29, 1984).
- 728|Del|84. Anna Herrmann, "A venturi rotor apparatus for the generation of power".
- 729|Del|84. Salco Basel AG, "Process for the preparation of a biologically active extract".
- 730|Del|84. E. R. Squibb & Sons, Inc., "Process for the preparation of 6-plactam derivatives". [Divisional date February 6, 1981].
- 731|Del|84. Niky Tasha India Pvt. Ltd., "A kerosene wick stove".
- 732|Del|84. Cement Research Institute of India, "A system for use in a vertical shaft kiln".
- 733|Del|84. Cement Research Institute of India, "A system for use in a vertical shaft kiln".

19th September, 1984

- 734|Del|84. Messerschmitt-Bolkow-Blohm Gesellschaft Mit Beschränkter Haftung, "Holding device for ammunition container". (Convention date July 18, 1984).
- 735|Del|84. UOP Inc., "Glucose or maltose from starch".
- 736|Del|84. Creusot Loire, "Plant for treating a combustible material and its method of operation".

20th September, 1984

- 737|Del|84. Rajiv Makkar, "Non colic regulated flow feeding bottle".
- 738|Del|84. Rhone Poulen Sante, "Process for the preparation of 4-quinolinones".
- 739|Del|84. Rhone-Poulen Sante, "Process for the preparation of 4-quinolinones".
- 740|Del|84. Niky Tasha India Pvt. Ltd., "An electrically operated washing machine".

21st September, 1984

- 741|Del|84. George Joseph and Mrs. Asha George, "Pumpless room cooler".
- 742|Del|84. Asea Aktiebolag, "Semiconductor valve".

24th September, 1984

- 743|Del|84. Associated Engineers, "Improved Hydraulic Crimping Tool".
- 744|Del|84. Council of Scientific and Industrial Research, "Process for the production of ergometrine by fermentation using a new strain of *Claviceps paspali*".

25th September, 1984

- 745|Del|84. Ravindra Pratap Singh, "Filacid".
- 746|Del|84. Sulzer Brothers Limited, "A device for controlling a process variable of a flowing medium".
- 747|Del|84. The British Petroleum Company P.L.C., "Electrochemical conversion of olefins to oxygenated products". (Convention date September 29, 1983).
- 748|Del|84. Pilecon Engineering SDN, BHD., "Pile joints".
- 749|Del|84. Anchor Hocking Corporation, "A child resistant tamper evident closure".
- 750|Del|84. General Foods Corporation, "Production of a mannan oligomer hydrolysate".
- 751|Del|84. Federal-Mogul Corporation, "A journaled bearing assembly". [Divisional date May 21, 1981].

- 752|Del|84. Societe Europeenne De Propulsion, "Apparatus for digitalizing an image by analysis by means of a light beam".

26th September, 1984

- 753|Del|84. Union Carbide Corporation, "Enhanced performance in rapid pressure swing adsorption processing".
- 754|Del|84. Union Carbide Corporation, "Improved adsorbent for rapid pressure swing adsorption process".
- 755|Del|84. Serac Limited, "A clip fixing for retaining thin film".
- 756|Del|84. UOP INC., "Alkylaromatic hydrocarbon dehydrogenation process".
- 757|Del|84. Karl Fischer Industrieanlagen GMBH, "Process for the continuous demonomerization and post-condensation of polyamide 6 and device for carrying out this process".

- 758|Del|84. Piaggio & C.S.p.A., "Device for controlling the regulation in an automatic transmission"

27th September, 1984

- 759|Del|84. Pritam Pal Singh, "Angels Acclimatizer".
- 760|Del|84. Exide Electronics International Corp., "Uninterruptible power supply and line conditioner".

29th September, 1984

- 761|Del|84. Surya & Co., "Improved adjustable sliding stays for windows and the like".
- 762|Del|84. Ashland Oil Inc., "Process for the manufacture of carbon fibres".
- 763|Del|84. Exxon Research And Engineering Company, "Improved process for the manufacture of halogenated polymers".
- 764|Del|84. Oil and Natural Gas Commission, "An inclinometer capable of measuring the inclination and azimuth of a bore".
- 765|Del|84. Oil and Natural Gas Commission, "An inclinometer capable of measuring the inclination and azimuth of a bore".
- 766|Del|84. Oil and Natural Gas Commission, "An inclinometer capable of measuring the inclination and azimuth of a bore".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, 11RD FLOOR, LOWER PAREL (W), BOMBAY-400 013

3rd September, 1984

- 243|Bom|84. Vijay Daulatram Mangtani An eye wash bottle.
- 244|Bom|84. (1) Mr. M. K. Shete, (2) Mr. Sanjay S. Bhamashali, (3) Mr. Pramod M. Shete. Process for the selective separation of Vincristine, Vinblastine or the salts thereof.

4th September, 1984

- 245|Bom|84. Kumar Ralram Bhatia. An improved type of hand operated erichsen tester to determine the deep drawing property of metal sheets.
- 246|Bom|84. Madhav Vasudeo Kunte. Improved design of propeller type high speed rotor, for windmills.

5th September, 1984

- 247|Bom|84. Prabhakar Narayanrao Mali. Non dazzling lighting system for vehicles.
- 248|Bom|84. Heman Yeshwant Tamhane. Improved carburetors for petrol engines.

6th September, 1984

- 249|Bom|84. Santosh Kumar Mahajan. Television Antena stand with direction finder.
- 250|Bom|84. Crompton Greaves Limited. An internally cum externally force cooled rotating type electric machine.

10th September, 1984

- 251|Bom|84. Pandurang Ramchandra Shinde. An energy efficient speed reducer.
- 252|Bom|84. Ramesh Vishum Oka. Occurrence sequence indicator.
- 253|Bom|84. Vasant Krishnaji Vhatkar. A process of producing aluminium hydroxide from low grade aluminium iron ore.
- 254|Bom|84. Utture Chandrakant Madhukar. A device for carrying out centring operations on shafts.
- 255|Bom|84. Mipak Plastics (Pvt.) Limited. Stackable moulded containers and a method of manufacturing same.

13th September, 1984

- 256|Bom|84. Greaves Foseco Limited. Fluxes for casting metals.

15th September, 1984

- 257|Bom|84. The Associated Cement Companies' Limited. A method of producing stabilized LSHS/lignite briquettes, chips, spheres or in the form of slabs without any additives for stabilization.

17th September, 1984

- 258|Bom|84. Dholaria K. Ramjibhai. A safety device for diesel engines.
- 259|Bom|84. Pannwelt India Ltd. An apparatus for dosing chemicals into untreated water supply.
- 260|Bom|84. Sea Transportation Enterprises Pvt. Ltd. A burner for burning of oil/gas under varied conditions of pressure.

20th September, 1984

- 261|Bom|84. K. R. Dholaria. An improved foot valves.
- 21st September, 1984

- 262|Bom|84. A. Sarabhai & S. Patel. A process for extraction of rubber from parthenium organatum plants.

22nd September, 1984

- 263|Bom|84. Jay Machinery Manufacturing Co. Pvt. Ltd. Push to connect fittings for flexible tubes in pneumatic and hydraulic lines and system.
- 264|Bom|84. A. K. Gathoria. See-saw type three way cock.
- 265|Bom|84. Sevalia Machine Tools Pvt. Ltd. Foot Tyre inflator (Foot-Pump).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

24th September, 1984

- 727|Mas|84. BBC Brown, Boveri & Company Limited. Reactive-power compensator for compensating a reactive-current component in an alternating-voltage system.
- 728|Mas|84. AIR Products and Chemicals, INC., Control system for air fractionation of selective adsorption.

25th September, 1984

- 729|Mas|84. Giri Rajkumar Shrivastava. Unlocking device.

- 730|Mas|84. Zellweger Uster Ltd. Method and device for the determination of the mean fineness and the co-efficient of variations of the fineness variations of textile and industrial threads.

- 731|Mas|84. BBC Brown, Boveri & Company Limited. High-voltage circuit breaker.

- 732|Mas|84. Metacon AG. Apparatus for determining the presence of a metallic melt in a passage channel of a metallurgical furnace or of a casting ladle.

- 733|Mas|84. Natesa Thiagarajan Bharadwaj. A device for preserving substances in refrigerators and for preventing the spread of odours therein.

26th September, 1984

- 734|Mas|84. Continental Gummi-Works Aktiengesellschaft. An apparatus for vulcanising pneumatic tyres.

- 735|Mas|84. Totra Pak International AB. A packing tamper.

27th September, 1984

- 736|Mas|84. Hochiki Kabushiki Kaisha. Scattered light type smoke detector.

- 737|Mas|84. Brandt, Inc. Improved document handling and counting apparatus. (December 14, 1983).

- 738|Mas|84. Hydro-Quebec. Distribution transformer with coiled magnetic circuit. (April 3, 1984).

28th September, 1984

- 739|Mas|84. A. Gnaneswaran. Smooth surface finishing of cement concrete slopes.

- 740|Mas|84. A. Gnaneswaran. Smooth surface finishing of cement asbestos sheets.

- 741|Mas|84. Zellweger Uster Ltd. Process and device for the simultaneous supervision of yarn quality at numerous similar supervisory stations of a textile machine.

- 742|Mas|84. Metal Box p.l.c. Label wrapping machines. (September 29, 1983).

- 743|Mas|84. Yoshitaka Masuda. Improvement in or relating to high sulphate slag cement and its method of manufacture.

- 744|Mas|84. International Research & Development Company Limited. Electrochemical cell. (September 29, 1983).

29th September, 1984

- 745|Mas|84. Dorian Ross Williams Baker. Intermodal transport system. (September 30, 1983).

1st October, 1984

- 746|Mas|84. Syntex (U.S.A.) Inc. A process for the preparation of 9-(1, 3-DIHIDROXY-2-PROPOXYMETHYL) Guanine and pharmaceutically acceptable salts thereof. (Divisional to Patent Application No. 564|CAL|82).

- 747|Mas|84. Syntex (U.S.A.) Inc. A process for the preparation of 9-(1, 3-dihydroxy-2-propoxymethyl) guanine and pharmaceutically acceptable salts thereof. (Divisional to Patent Application No. 564|CAL|82).

- 748|Mas|84. Syntex (U.S.A.) Inc. A process for the preparation of D²-substituted 9-(1, 3-dihydroxy-2-propoxymethyl) guanines and pharmaceutically acceptable salts thereof. (Divisional to Application No. 564|CAI|82).

- 749|Mas|84. Uhde GmbH. Process and equipment for the extraction of ingredient substances from natural products.

750[Mas]84. Youseff Hanne Dabieh known as Joseph Hanne Dabieh. Method of repositioning annular spacers in calamaria structures, and apparatus, therefor (December 12, 1983).

5th October, 1984

751[Mas]84. Stauffer Chemical Company. Synergistic herbicidal compositions.

752[Mas]84. Stauffer Chemical Company. Synergistic herbicidal compositions.

ALTERATION OF DATE

154587. Ante dated to 18th September, 1981.
(1395[Cal]83).

154603. Ante dated to 8th February, 1979.
(1263[Cal]82).

154604. Ante dated to 10th September, 1979.
(776[Cal]83).

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 94-G. 154582.

Int. Cl. B02c 23|00.

MOBILE STONE CRUSHING MILLS.

Applicant : KURIMOTO IRON WORKS, LTD., OF NO. 12-19, KITAORIE 1-CHOME, NISHI-KU, OSAKA, JAPAN.

Inventor : 1. BJORN HAAHJEM.

Application No. 298[Cal]81 filed March 19, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A stone crushing mill which comprises mounted on a single base frame a stone crushing unit and means for feeding stones to the stone crushing unit and which is adapted to be carried on a multi-axled low trailer, the base frame having frame supports pivotally mounted thereon which supports in a first position support the mill on the trailer and in a second

position support the mill in its operating position and being provided with lifting means for lowering the frame on to the trailer and lifting the frame from the trailer and lowering the frame onto the frame supports in their second position

Compl. specn. 6 pages. Drgs. 4 sheets.

CLASS : 131-B4.

154583.

Int. Cl. F21c 13|00.

DRILL TOOL

Applicant : SANDVIK AKTIEBOLAG OF S-831 81 SANDVIKEN, SWEDEN.

Inventor : 1. HARRY ARTUR INGVAR WIREDAL.

Application No. 329[Cal]81 filed March 26, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A drill tool for rotary and/or percussion drilling with drill rod means within casing tube means comprising a centric cutting bit provided with cutting means and an eccentric reamer cutter provided with cutting means, said reamer cutter being positioned rearwardly of said cutting bit, the drill tool being adapted to be connected to said drill rod means, said reamer cutter being shiftable relative to the cutting bit between a drilling position, in which it protrudes laterally in front of the casing tube means and a retracted position, in which it is retracted radially within said casing tube means, characterized in that the cutting means of the reamer cutter comprises at least one first button insert of hard material, such as cemented carbide, said first button insert being inclined relative to the longitudinal axis of the drill tool and peripherally arranged such as to define the diameter of the hole drilled by drill tool, and at least one second button insert of hard material, such as cemented carbide, said second button insert being positioned radially inwardly of said first button insert so as to work the annular core which is formed between a pilot hole drilled by the cutting bit and said first button insert, said second button insert being positioned in front of said first button insert when seen in the rotational direction of the drill tool during drilling.

Compl. specn. 12 pages. Drgs. 2 sheets.

CLASS : 172-D7.

154584

Int. Cl. B65h 59|10.

THREAD BRAKE

Applicant : PALJETEX PROJECT-COMPANY G.m.b.H., OF WEESEWEG 8, 4150 KREFELD 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HEINZ SCHEUFELD, 2. ULRICH LOSSA.

Application No. 410[Cal]81 filed April 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A thread brake having a substantially tubular housing in which the ends of a capsule-shaped braking cartridge bear against braking surface rings between a thread entry passage and a thread exit passage, the two braking surface rings being spaced axially from the mouths of the thread entry and exit passages adjacent them, characterised in that the common axis of the two braking surface rings (2, 3) is offset radially from a common axis of the thread entry passage (2b) and thread exit passage (21), in that a thread guidance passage by-passes the braking region in which the two braking surface rings (2, 3) and the braking cartridge (7) are disposed, and in that in each of the two braking surface rings (2, 3), there is provided a threading slot (2', 3') which interrupts the braking surface ring throughout the axial length of the braking surface ring.

Compl. specn. 14 pages. Drgs. 1 sheet.

CLASS : 35-C.

154585.

Int. Cl. B28b 17/00.

A MACHINE OR APPARATUS FOR THE MANUFACTURE OF ASBESTOS CEMENT SHEETS.

Applicant : VANGALA PATTABHI OF 9/1, R. N. MUKHERJEE ROAD, CALCUTTA-1, INDIA.

Inventor : 1. KOTHAMRAJU KRISHNA MOHAN SHARMA.

Application No. 139/Cal/82 filed February 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An apparatus for the manufacture of asbestos cement sheets in which the material which wraps round the accumulator roll is subjected to compaction comprising vats to hold the slurry of asbestos and cement, a travelling felt to carry the film in the conventional manner, known means for relieving same partially of the moisture content while travelling on the felt by means of vacuum, and a press part wherein there are arranged below the accumulator roll one or more press rolls, in addition to breast roll and press rolls being disposed before the breast roll and before the central vertical axis of the accumulator roll, said rolls and breast roll applying pressure against the accumulator roll carrying the film and wherein at the junction between the first press roll and the accumulator roll, the film from the felt is transferred to the accumulator roll and is further subjected to compactness by the pressure applied by the additional press roll or rolls and breast roll before the felt relieved of the film leaves the breast roll for the continuous operation.

Compl. Specn. 12 pages.

Drgs. 1 sheet.

CLASS 32-E.

154586.

Int. Cl. C08 f 1/11, 3/30, 1/82.

PROCESS FOR POLYMERIZATION OF VINYL MONOMERS WITH IMPROVED KINETIC RATE PROFILE.

Applicant : THE B.F. GOODRICH COMPANY, 277 PARK AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

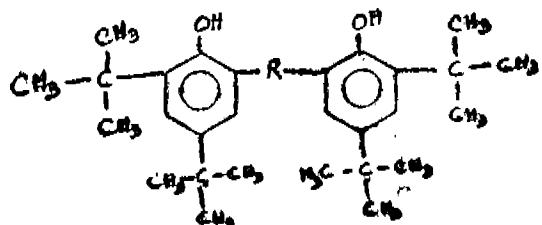
Inventors : 1. KEITH LESLIE GARDNER, 2. RICHARD AUGUSTUS JONES.

Application No. 398/Cal/82 filed April 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

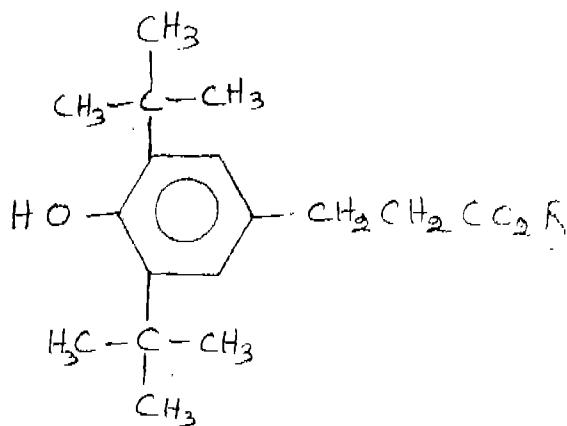
11 Claims.

An improved process of aqueous suspension homopolymerization and copolymerization of vinyl monomer (s) in the presence of a polymerization initiator and a dispersant and at a temperature in the range of from 0°C. to 100°C., where in the improvement comprises adding to the aqueous suspension of vinyl monomer (s) prior to or during the polymerization thereof from 0.001 part to 0.01 part by weight, based on the weight of the monomer (s), of a polymerization inhibitor selected from the group consisting of (a) compounds having the general structure shown in formula 1 of the accompanying drawing :



wherein R is a straight chain or branched alkylidene group containing from 1 to 5 carbon atoms, and (b) compounds

having the general structure shown in formula 2 of the accompanying drawings :



wherein R' is H or an alkyl group containing from 1 to 15 carbon atoms, whereby the tailpeak of the polymerization reaction is substantially reduced.

Compl. specn. 14 pages.

Drgs. 1 sheet.

CLASS : 128-G & K.

154587

Int. Cl. A 61 b 17/12.

A DISPOSABLE CARTRIDGE FOR A PLURALITY OF LIGATING CLIPS.

Applicant : ETCHICON INC., AT SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. JOHN DIGIOVANNI, 2. DONALD MAX GOLDEN.

Application No. 1395/Cal/83 filed November 15, 1983.

Division of Application No. 1039/Cal/81 dated 18th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A disposable cartridge for a plurality of ligating clips comprising :

an elongated housing :

a plurality of clips arrayed in a line in said housing from a first position to successive positions placed longitudinally along the housing;

delivering means adapted for long stroke reciprocating motion in said housing for delivering clips from said first position in said housing;

feeding means adapted for short stroke reciprocating motion for feeding successive clips to said first position; and, transfer means for moving a clip from said first position into engagement with said delivery means.

Compl. specn 32 pages.

Drgs. 6 sheets.

CLASS : 98-F.

154588

Int. Cl. C 04 b 43/00.

HEAT-INSULATING ARTICLES.

Applicant : FOSECO TRADING A. G., OF LANGEN-JOHNSSTRASSE 9, CHUR, SWITZERLAND.

Inventor : TAREK EI. GAMMAL.

Application No. 1259|Cal|79 filed November 30, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A shaped, refractory, heat insulating article, for use in a metallurgical vessel, comprising 50 to 90% by weight of a particulate refractory material, 5 to 20% by weight of defibrilated bagasse as herein described and 3 to 10% of a binder.

Compl. specn. 8 pages.

Drgs. Nil.

CLASS : 139-C.

154589

Int. Cl. C 01 b 7|02, 7|06.

PROCESS FOR THE PRODUCTION OF LIQUID CHLORINE.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DIETER BERGNER, 2. KURT HANFSEN, 3. WOLFGANG MULLER, 4. WILFRID SCHULTE.

Application No. 486|Cal|80 filed April 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process for the production of liquid chlorine from the mixture of anolyte and steam-saturated gaseous chlorine which is obtained in the anode space of an electrolytic cell in the electrolysis of an aqueous alkali metal chloride solution under a pressure of at least 8 bars, by separating in known manner at first the anolyte from the steam-saturated gaseous chlorine and liquefying the steam-saturated gaseous chlorine under a pressure of at least 8 bars by cooling, characterised by not allowing the temperature of the condensate consisting of a liquid water-saturated chlorine phase and a liquid chlorine-saturated water phase to fall below 28°C during cooling and separating the water phase of a light specific weight from the chlorine phase of a heavier specific weight.

Compl. specn. 11 pages.

Drgs. 1 sheet.

CLASS : 39-E.

154590

Int. Cl. C 01 b 31|32.

PROCESS FOR THE PRODUCTION OF CALCIUM CARBIDE.

Applicant : HOECHST AKTIENGESELLSCHAFT AND RHEINISCHE BRAUNKOHLENWERKE AKTIENGESELLSCHAFT D 6230 FRANKFURT|MAIN 80 FEDERAL REPUBLIC OF GERMANY AND D 5000 KOLN 41, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HANS-JOACHIM KERSTING, 2. ERHARD WOLFRUM, 3. WILLE PORTZ, 4. GEORG STRAUSS, 5. EDGAR GOLDMANN.

Application No. 741|Cal|80 filed June 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for the production of calcium carbide by reacting coke with lime in the presence of oxygen inside an oxygen-thermal furnace, which comprises :

subjecting coal to a cooling reaction inside a hearth furnace at temperatures for the issuing gas of at least 750°C; directly introducing the resulting coke with an inherent temperature of at least 500°C into the oxygen-thermal furnace; admixing the coke with lime and oxygen, and producing calcium carbide therefrom.

Compl. specn. 13 pages.

Drgs. 1 sheet.

CLASS : 40-F.

154591

Int. Cl. B 01 d 43|00.

A SOLIDS-GAS SEPARATOR.

Applicant STONE & WEBSTER ENGINEERING CORPORATION, 245 SUMMER STREET, BOSTON, SUFFOLK COUNTY, MASSACHUSETTS 02107, U.S.A.

Inventors : 1. ROBERT JOHN GARTSIDE, 2. HERMAN NICHOLAS WOEBCKE.

Application No. 1037|Cal|80 filed September 10, 1980.

Convention date 4th July, 1980 (355416) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

40 Claims

A solids-gas separator designed to effect rapid removal of particulate solids from a dilute mixed phase stream of solids and gas, the separator comprising a chamber for disengaging solids from the incoming mixed phase stream, said chamber having rectilinear or slightly arcuate longitudinal walls to form a flow path essentially rectangular in cross section, said chamber also having a mixed phase inlet, a gas phase outlet, and a solids phase outlet, with the inlet at one end of the chamber disposed normal to the flow path, the solids outlet at the other end of the chamber, said solids outlet suitable for downflow of discharged solids by gravity and the gas outlet there between oriented to effect a 180° change in direction of the gas.

Compl. specn. 29 pages.

Drgs. 4 sheets.

CLASS : 321E.

154592

Int. Cl. C 08 g 20|00.

A METHOD FOR PREPARING A BLOCK COPOLY-AMIDE.

Applicant : SUNTECH, INC., OF 1608 WALNUT STREET PHILADELPHIA, P.A. 19103, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT MILTON THOMPSON.

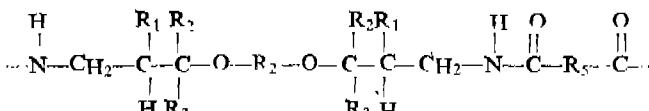
Application No. 1237|Cal|80 filed October 31, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

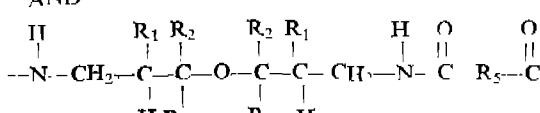
8 Claims

A method for preparing a block copolyamide comprising heating caprolactam with a polyetheramide at a temperature of between 230 to 250°C to form polylactam in situ and thereafter copolymerizing the product at a temperature between 250 to 280°C

wherein at least one of the lactam and polyetheramide are molten during said lactam polymerization and block copolymer formation, the lactam is present in the mixture of lactam and polyetheramide in an amount of 5 wt. % to 70 wt. % of said mixture, and the polyetheramide is selected from polymers of the structures :



AND



wherein R_1 , R_2 and R_3 each are H , $\text{C}_1\text{--C}_{10}$ alkyl or $\text{C}_3\text{--C}_{10}$ isoalkyl, R_4 is $\text{C}_1\text{--C}_{10}$ alkylene or $\text{C}_3\text{--C}_{10}$ isoalkylene, and R_5 is $\text{C}_0\text{--C}_{10}$ alkylene, $\text{C}_3\text{--C}_{10}$ isoalkylene or $\text{C}_6\text{--C}_{20}$ arylene.

Compl. specn. 15 pages.

Drgs. Nil.

CLASS : 34-A

154593

Int. Cl. C08F 9/00; D02G 1/00.

AN IMPROVED PROCESS FOR PRODUCING A VISCOSE RAYON FILAMENT YARN AND VISCOSIC RAYON FILAMENT YARN THEREBY PRODUCED.

Applicant : ASAHI KASEI KOGYO KABUSHIKI KAISHA, OF 2-6, KOJIMA-HAMA 1-CHOME, KITA-KU, OSAKA, JAPAN.

Inventors : 1. YASUO ISOME, 2. TOSHIO MINAMI, 3. TADAHIKO TAKAHASHI.

Application No. 1266/Cal/80 filed November 11, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for producing a viscose rayon filament yarn by the continuous spinning process by ejecting viscose from a spinning nozzle, coagulating and regenerating it and then scouring and drying it in a known manner, characterised by the improvement wherein the viscose used has sulphur content not exceeding 0.55% by weight calculated from sulphur, oxides and polysulfides in the said viscose, said percentage being based on the weight of cellulose and wherein the regeneration and de-swelling of the yarn is carried out with a standing time expressed by the following equations:

$$7.5DM + 15 = Ts = 10DM + 25$$

wherein DM is denier of the monofilament constituting the rayon filament yarn to be spun, and Ts is standing time, expressed by second, of the viscose filament spun and finally washing the filament with water and drying in the usual manner.

Compl. specn. 66 pages.

Drg. 2 sheets.

CLASS : 86-B

154594

Int. Cl. A 47 c 1/00.

A MOUNTING DEVICE FOR A CHAIR SEAT.

Applicant : CENTER FOR DESIGN RESEARCH AND DEVELOPMENT N.V., AT JOHN B. GORSIRAWEG 6, CURACAO, NETHERLANDS ANTILLES.

Inventors : 1. EMILIO AMBASZ, 2. GIANGAROLO PIRETTI.

Application No. 429/Cal/81 filed April 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A mounting device for a chair seat comprising a generally plate-like support bracket adapted to be mounted generally horizontally on a chair base, a transverse horizontal axle on the support bracket, a seat-mounting member attached to the axle to pivot about the axis of the axle and being adapted to be fastened to the underside of the chair seat, the support bracket and mounting member having mutually engageable surfaces spaced apart from the axle for limiting rearward tilting of the member on the bracket, and a spring assembly connected between the bracket and member and yieldably restraining the member from tilting forward about the axle the spring assembly including a connecting pin connected to and extending down from the mounting member at a location spaced apart rearwardly of the axle and carrying a retainer at its lower end, which end is below a spring seat portion of the bracket, and a compression spring engaged between the retainer and the spring seat.

Compl. specn. 14 pages.

Drg. 4 sheets.

CLASS 88-F 198-B

154595

Int. Cl. C 10 j 3/52; C 10 k 1/10.

PROCESS FOR THE GASIFICATION OF A SOLID FUEL.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA, FORMERLY OF 135 EAST 42ND STREET, NEW YORK, NEW YORK 10017, U.S.A.

Inventors : 1. ROGER JEAN CORBEELS, 2. CHARLES GEORGE SENGENBERGER.

Application No. 441/Cal/81 filed April 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for the gasification of a solid fuel which comprises subjecting a finely divided solid fuel to partial oxidation to produce a gas comprising carbon monoxide and hydrogen and containing a mixture of entrained particles, grinding the particles to reduce their size, subjecting the ground material to froth flotation treatment to produce a float fraction containing particles rich in carbon and introducing the float fraction into the partial oxidation zone with fresh finely divided solid fuel.

Compl. specn. 11 pages.

Drg. Nil.

CLASS 130-F

154596

Int. Cl. B 22 d 41/00.

TURNABLE SLIDE LOCK FOR METALLURGICAL CRUCIBLES, LADLES AND LIKE VESSELS.

Applicant : STOPING AKTIENGESELLSCHAFT, OF ZUGER STR. 76a CH-6340 BAAR, SWITZERLAND.

Inventors : 1. ERNST MEIER, 2. HERBERT BACHMANN.

Application No. 516/Cal/81 filed May 15, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Turnable slide lock for metallurgical crucibles, ladles and like vessels having a fixed part of the lock accommodating a refractory pouring member and a part rotatable relative to the fixed part, which rotatable part accommodates a refractory sliding member which is preloaded resting against the pouring member, with the sliding surface between the fixed and the rotatable parts lying in between the two refractory members on that side of the metallic jacket of the vessel, which faces the interior of the vessel, characterized in that the fixed and the rotatable parts of the lock are in the form of coaxial tubular members placed one within the other, and are guided radially and axially on one another and each of which grips at one end one of the said refractory members which are constructed as flat discs, with the sliding member being held in an intermediate member, which is preloaded in the axial direction relative to the rotatable tubular member, but is connected with the same in rotatable manner.

Compl. specn. 13 pages.

Drg. 1 sheet.

CLASS 116-C

154597

Int. Cl. B65 g 43/00.

AN APPARATUS FOR THE REPAIR OF RUBBER OR PLASTICS CONVEYOR BELTS AND FOR MAKING THEM ENDLESS.

Applicant : WAGENER SCHWELM GMBH & CO., IN DER GRASLAKE 20, D-5830 SCHWELM, FEDERAL REPUBLIC OF GERMANY.

Inventor : PETER THIES

Application No. 716|Cal|81 filed June 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

An apparatus for the repair of rubber or plastics conveyor belts and for making them endless, having press plates that can be heated, upper and lower sets of girders, and hydraulic pressure producing equipment, upper and lower girders being connected together in pairs by tension rods with mechanical tightening facilities so as to undergo bending deformation under a specified pressure with a defined deflection curve or bending line, the pressure-producing equipment acting between one of the press plates and the adjacent girders, characterized in that the pressure-producing equipment (15) comprises hydraulic tubes (7) which are of constant perimeter but the cross-section of which can be deformed and which are supported on one side by adjacent girder (5) while being accommodated on the other side in a pressure plate (12) constructed with a U-profile and adjustable for spacing relatively to the girder (5), and the spacing of the pressure plate from its girder is such that the hydraulic tubes (7) possess an oval cross-section in the operating condition.

Compl. specn. 21 pages.

Drg. 3 sheets.

CLASS : 129-J

154598

Int. Cl. B 21 b 1|00.

METHOD OF J-SECTION ROLLING IN CONTINUOUS MILL.

Applicant : (1) URALSKY POLITEKHNIKESKY INSTITUT IMENI S.M. MIROVA, OF 620002, SVERDLOVSK, USSR. (2) ZAPADNO-SIBIRSKY METALLURGICHESKY ZAVOD IMENI 50-LETIA VELIKOGO OKTYABRYA, OF 654043, NOVOKUZNETSK KEMEROVSKOI OBLASTI, USSR.

Inventors : 1. ALEXANDER ANDREEVICH KUGUSHIN, 2. VLADIMIR NIKOLAEVICH BESPALOV, 3. JURY OSIPOVICH LABETSKY, 4. VYACHESLAV IVANOVICH DRUZIN, 5. VITALY KUZMICH SMIRNOV, 6. VLADISLAV ALEXANDROVICH SHILOV.

Application No. 727|Cal|81 filed July 2, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claim

A method of J-section rolling in a continuous mill, including successive of a bar :

in horizontal slitting passes,

in horizontal closed roughing beam passes with alternate directions of the slope of flange outer sides,

in all said horizontal closed roughing beam passes the rolling of the bar being effected with the flangt outer sides having a slope of 15-100 per cent on the live flanges and a slope of 8-12 percent on the dead flanges,

in vertical reduction passes wherein the outer sides of the bar are worked to slopes corresponding to the slopes of the outer sides of the dead flanges of the succeeding horizontal closed roughing beam pass,

in finishing universal beam passes,

and further including working of bent-out live flanges of the bar prior to reversal of the direction of the slope of the outer sides of the flanges of the closed beam passes, said bent-out flanges being worked to slopes corresponding to the slopes of the outer sides of the dead flanges of the succeeding horizontal closed roughing beam pass.

all said passes being arranged on after another according to the production process in a combination which provides for producing an I-section.

Compl. specn. 26 pages.

Drg. 2 sheets.

CLASS 32-F₂ b.

154599

Int. Cl. C 07 d 31|44.

PROCESS FOR THE PURIFICATION OF NICOTINIC ACID AMIDE.

Applicant : DEGUSSA AKTIENGESELLSCHAFT 6,000, FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HELMUT BESCHKE, 2. FRANZ DAHM, 3. HEINZ FRIEDRICH, 4. GUNTER PRESCHER.

Application No. 813|Cal|81 filed July 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for the recovery of pure nicotinamide from crude nicotinamide produced from the alkaline hydrolysis of nicotinonitrile by recrystallization in an alcohol, the improvement comprising in carrying out the recrystallization of its solution in 2-methyl-propanol-1 containing 1 to 18% water at a pH between 7 and 10.

Compl. specn. 9 pages.

Drg. Nil.

CLASS 32-F₂ b.

154600.

Int. Cl. C 07d 31|44.

PROCESS FOR THE PURIFICATION OF NICOTINIC ACID AMIDE II.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, 6000 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HELMUT BESCHKE, 2. FRANZ DAHM, 3. HEINZ FRIEDRICH, 4. GUNTER PRESCHER.

Application No. 814|Cal|81 filed July 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for the recovery of pure nicotinamide from a crude nicotinamide produced from the alkaline hydrolysis of nicotinonitrile by recrystallization in an alkanol the improvement comprising in carrying out the recrystallization of its solution in 2-methylpropanol-1 containing 1-18% water at temperatures above 50°C and below the boiling point of the solution having the nicotinamide with an ion exchanger as herein described.

Compl. specn. 8 pages.

Drg. Nil.

CLASS : 32-F₃ n

154601

Int. Cl. C 07c 41|06, 41|10, 41|12, 43|04.

PROCESS FOR PREPARING TERTIARY ALKYL ETHERS.

Applicant : SNAMPROGETTI S.p. OF CORSO VENEZIA 16, MILAN, ITALY.

Inventor : GIANCARLO PARET.

Application No. 396|Cal|82 filed April 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for preparing tertiary alkyl ethers from isoclefsins and aliphatic alcohols in the presence of a catalyst in the form of sulphonated styrene-divinylbenzene resins, characterised in that both the reaction leading to the formation of the tert-alkyl ether and the separation of the tert-alkyl ether from the hydro-carbons and compounds which accompany it take place in a single plate fractionating apparatus, in which some of the plates are provided with beds of catalyst in the form of spherules suitable for preparing said tert-alkyl ether, the ether obtained being withdrawn as a substantially pure bottom product.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS 148-H

154602

Int. Cl. H 05 g 1|00.

AN X-RAY EXAMINATION DEVICE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. ERICH FORSTER, 2. GUNTER MICHAELSEN.

Application No. 510|Cal|82 filed May 6, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An X-ray examination device including :

an X-ray tube mounted at one end of a tube-image film carrier; a flange-mounted radiation collimator; and an image film carrier at the other end of the tube-image film carrier, at a constant distance from the X-ray tube and aligned with this and provided with means for the central positioning of image films of specific prescribed formats, in which device the radiation collimator includes a collimator disc which is rotatable on an axle adjacent the radiation cone to be collimated, the collimator disc having apertures which may be moved into the radiation cone and are adapted to predetermined formats of the image film.

Compl. specn. 12 pages.

Drg. 2 sheets.

CLASS 90-K

154603

Int. Cl. C 03 b 33|10.

IMPROVED APPARATUS FOR USE WITH A FEEDER FOR SHEARING GOBS FROM A COLUMB OF PLASTIC MATERIAL.

Applicant : FMHART INDUSTRIES, INC., OF 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT 06032, U.S.A.

Inventor : FRANCIS ARTHUR DAHMS.

Application No. 1263|Cal|82 filed October 22, 1982.

Division of Application No. 117|Cal|79 dated 8th February, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An improved apparatus for use with a feeder for shearing gobs from a columb of plastic material including at least one set of oppositely disposed upper and lower shear blades movable in a straight line toward and away from each other and a drop guide positioned under said upper blade and movable therewith characterised in that there is provided means mounting said drop guide for movement with said upper blade, means for moving said drop guide in the direction of travel of said shear blades relative to said shear blade, and means for pivoting said drop about a vertical axis.

Compl. specn. 36 pages.

Drg. 9 sheets.

CLASS 154-D

154604

Int. Cl. B 41 f 15|00.

AN AUTOMATIC SCREEN PRINTING PROCESS.

Applicant : TOSHIN KOGYO CO., LTD., OF 9-11-36, MINAMI-MUKONOSO, AMAGASAKI, HYORO-KEN, JAPAN.

Inventor : TAKAHARU YOSHIKAWA.

Application No. 776|Cal|83 filed June 20, 1983.

Division of Application No. 946|Cal|79 dated 10th September, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An automatic screen printing process comprising presetting the repeat length of an endless belt as a pulse number and intermittently driving an endless belt-driving roller based on the preset pulse number, characterised in that the displacement from the said preset length owing to unevenness of the thickness and elongation at individual positions of the endless belt are preliminarily rectified by increasing or decreasing the pulse number and the feeding of the endless belt is controlled based on said increased or decreased pulse number.

Compl. specn. 23 pages.

Drg. 3 sheets.

CLASS : 107-G & H

154605

Int. Cl. F 04 c 1|04.

AN OIL PUMP FOR THE PRESSURE OIL SUPPLY IN INTERNAL COMBUSTION ENGINES.

Applicant : MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, OF KATZWANGER STRASSE 101, D-8500 NURNBERG, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DIPL. ING. HERIBERT KUBIS, 2. KARL SCHOTT.

Application No. 851|Cal|79 filed August 17, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An oil pump for the pressure oil supply in internal combustion engines typically of a gear oil pump, which consists of impeller gears accommodated in a pump casing, the impeller gears being driven by the internal combustion engine and where the pump casing is connected with a suction pipe and a delivery pipe, characterized in that the pump casing (3) is arranged in an unmachined recess (2) provided at the side of the timing gear (4) in the crankcase (1), formed to be open at the end of the drive means (11) for the impeller gears (5, 6) and flanged to the timing gear case (4) of the internal combustion engine and in that the timing gear case (4) forms the closure of the pump casing (3) and the recess (2) and in that at least the driving means (11), for the impeller gears (5, 6) are supported in the timing gear case (4).

Compl. specn. 10 pages.

Drg. 2 sheets.

CLASS : 32-F, b.

154606.

Int. Cl. C 07 c 63|26; D 01 f 1|00.

PROCESS FOR THE PREPARATION OF FIBER-GRADE TEREPHTHALIC ACID BY THE HYDROLYSIS OF INTERMEDIATE STAGE CRUDE DIMETHYL TEREPHTHALATE.

Applicant : DYNAMIT NOBEL AKTIENGESELLSCHAFT, OF 521 TROISDORF, BENZ, KOLN., WEST GERMANY.

Inventors : 1. ANTON SCHOENGREN, 2. GEORG SCHREIBER, 3. DR. HEINZ SCHROEDER.

Application No. 382[Cal]80 filed April 2, 1980.

Convention date 19th December, 1979 (342255) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for the preparation of fiber-grade terephthalic acid from an intermediate stage crude dimethyl terephthalic acid obtained from a crude ester mixture produced by the oxidation of p-xylene and/or methyl p-toluene with oxygen-containing gases in the presence of heavy-metal containing oxidation catalysts, at temperatures of 140–170°C and under pressures of 4–8 bar and by the esterification of the oxidation mixture with methanol at temperatures of 250–280°C and elevated pressure, which comprises separating the resulting crude ester mixture by distillation into a methyl p-toluene-enriched fraction, a residual high boiling fraction, and also a crude dimethyl terephthalate which includes terephthalaldehydic acid methyl ester which is limited upto 0.1% by weight based on the weight of the crude dimethyl terephthalate, characterized by subsequently hydrolyzing, in two stages—a first cocurrent stage and a second countercurrent stage—the crude dimethyl terephthalate with water at a weight ratio of the crude dimethyl terephthalate to water of between 140° and 350°C and under a pressure from 6 to 200 bars which is required to maintain the liquid phase to produce a reaction mixture containing crystalline fiber-grade terephthalic acid, and then recovering the terephthalic acid from the reaction mixture in a manner as herein described.

Compl. specn. 44 pages.

Drgs. 8 pages

CLASS : 172-D₄ & D₅.

451607.

Int. Cl. D 01 h 7|00, 7|52, 7|60.

REVOLVING RING AND PNEUMATIC THRUST-BEARING UNIT FOR SPINNING FRAME AND RETWISTING TEXTILE MACHINE.

Application : SOCIETE ALSCIENNE DE CONSTRUCTIONS MECANIQUES DE MULHOUSE, OF RUE DE LA FONDERIE, 68054 MULHOUSE CEDEX, FRANCE.

Inventor : JACUES LE CHATELIER.

Application No. 881[Cal]80 filed August 1, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A revolving ring and pneumatic thrust bearing unit for spinning frames and twisting textile machines, characterized in that the specific pressure of the said ring on its thrust-bearing is higher than 70 kg/m², the result thereby achieved being that the aerodynamic ring-sustentation regime cannot be established at the time of interruption of the compressed-air supply to the pneumatic thrust bearing.

Compl. specn. 39 pages.

Drgs. 9 sheets.

CLASS : 14-A₂.

154608.

Int. Cl. H 01 m 39|00.

A RECOMBINANT ELECTRIC STORAGE BATTERY.

Applicant : CHLORIDE GROUP LIMITED, OF 52 GROS-VENOR GARDENS, LONDON SW1W OAU, ENGLAND.

Inventor : ERNEST JAMES PEARSON.

Application No. 1143[Cal]80 filed October 8, 1980.

Convention date 8th October, 1979 (7934792) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A recombinant electric storage battery comprising a container and two or more cells each consisting of a cell pack

comprising one or more positive electrodes and one or more negative electrodes interleaved with separator material, characterized in that each cell pack is substantially enclosed by a bag of flexible plastics film material and at least the opposed surfaces of adjacent cell packs are close fits with the said film of plastics material.

Compl. specn. 17 pages.

Drgs. 4 sheets.

CLASS : 85-J.

154609

Int. Cl. F 23 c 11|00.

APPARATUS FOR MEASURING THE DEGREE OF EFFICIENCY OF COMBUSTION APPLIANCES.

Applicant : NEOTRONICS LIMITED, OF PARSONAGE ROAD, TAKELEY, BISHOPS STORTFORD, HERTFORDSHIRE, ENGLAND.

Inventors : 1. HOWARD ALFRED BUCKENHAM, 2. HIGH VICTOR FELDMAN, 3. PAUL GOTLEY, RICHARD YOUND.

Application No. 1306[Cal]80 filed November 24, 1980.

Convention date 23rd November, 1979 (7940671) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

Apparatus for measuring the degree of efficiency of a combustion appliance, comprising a first sensor for producing an output signal which varies with the concentration of a constituent gas of the exhaust gases of the appliance, a second sensor for producing an output signal which varies with the temperature of the exhaust gases, and computation means adapted to receive the sensor output signals and operable to derive therefrom measurement values representing the concentration of said constituent gas and the temperature of the exhaust gases and to apply these measurement values in the computation of a predetermined formula relating the degree of combustion efficiency to the temperature of the exhaust gases and the concentration of said constituent gas to produce an output signal indicative of the combustion efficiency of the appliance; the computation means also being operable to derive from the output signal produced by at least one of the sensors during a test measurement of a known value, calibration information regarding that sensor, and to automatically calibrate the sensor by applying said calibration information to introduce a calibration correction when deriving measurement values from the sensor output signal produced during a subsequent measurement or measurements taken with the sensor.

Compl. specn. 33 pages.

Drgs. 4 sheets.

CLASS : 157-D_a.

154610.

Int. Cl. E 01 b 3|32.

PROCESS AND APPARATUS FOR PRODUCING CONCRETE RAILWAY CROSS-SLEEPERS.

Applicant : P.V.B.A. BETONKONSTRUKTIE V.D. HEMIKSEM, OF HERBEKESTRAAT 61, 2620 HEMIKSEM, BELGIUM.

Inventor : FRANS MATHYNSSENS.

Application No. 1046[Cal]81 filed September 19, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process for producing concrete cross-sleepers for railways, characterized in that it comprises substantially locating two parts or elements of a rail clamping device through openings provided in the bottom of a casting mould; suitably securing said elements outside the mould; locating the upper reinforcement of the cross-sleeper on supports provided therefor on the said elements; locating, if desired, an intermediate reinforcement on the upper reinforcement; passing a connection rod through an opening provided in the wall of the mould; and filling up the mould by pouring concrete therin, the

lower reinforcement being then conventionally disposed at a suitable time and the assembly being then subjected to a vibrating operation.

Compl. specn. 9 pages.

Drgs. 2 sheets.

CLASS : 87-C.

154611

Int. Cl. A' 63 b 49|00.

SYNTHETIC STRING SPECIALLY FOR A GAMES RACQUETS.

Applicant : COUSIN FRERES, SOCIETE ANONYME, 8 RUE ABBE BONPAIN, 59117 WERVICQ-SUD, FRANCE.

Inventors : 1. ROBIN JACQUES ANDRE, 2. COUSING JEAN-CLAUDE.

Application No. 1082|Cal|81 filed September, 26, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

An improved synthetic string, particularly for a games racquet, having fibres of a first synthetic material disposed in helices inclined to the axis of the string and a second synthetic material joining the fibres, the improvement comprising selecting the second material to have a melting zone lower than that of the first material and wherein the said helices which are made up of said first synthetic material with a coefficient of elongation of break included in the range 10 to 25%, the second synthetic material being a thermoplastic elastomer of which the elongation at break is at least 200% and having a Shore D hardness of at least 55.

Compl. specn. 17 pages.

Drgs. 2 sheet.

CLASS : 176-I

154612

Int. Cl. 22 g 5|08.

REMOVABLE SEAL FOR ASH HOPPERS AND THE LIKE.

Applicant : COMBUSTION ENGINEERING INC., OF 10007 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : 1. PAUL CORNELIUS ANDERSON, 2. ROBERT PATTON SULLIVAN.

Application No. 1101|Cal|81 filed October 1, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A sealing device for ash hoppers for sealingly connecting with a furnace fired with an ash producing fuel and having a downwardly directed ash opening being a first passageway in the lower region thereof, an ash hopper provided at the lower end of the furnace having a second passageway, means provided for sealing said first and second passageways comprising : an endless trough disposed about an attached to one of said passageways and adapted to contain a liquid such as water, a seal curtain assembly extending from the trough toward said other passageway and including a float in said trough operative to move the assembly into and out of sealing relation with said other passageway in accordance with the liquid level in the trough, and means to regulate the liquid level in the trough as herein defined.

Compl. specn. 13 pages.

Drgs. 1 sheet

CLASS : 80-I.

154613

Int. Cl. B 01 d 39|00.

A BACKWASHABLE FILTER.

Applicant : BRITISH SIDAC LIMITED, OF STAR HOUSE, 69 CLARENDON ROAD, WATFORD, HERTFORDSHIRE, WD1 1DJ, ENGLAND.

Inventors : 1. DENNIS EDWIN JAMESON, 2. DAVID OWEN RICHARDS.

Application No. 1120|Cal|81 filed October 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A backwashable filter comprising a generally cylindrical housing with an inlet opening into the housing and an outlet opening from the housing, a cylindrical filter basket within the housing and interposed between the inlet and the outlet, a backwashing arm bearing against the inside of the filter basket and being rotatable about the axis of the filter basket the filter basket comprising an inner and an outer perforate cage with a filter medium interposed between them, the outer surface of the filter medium interposed between them, the outer surface of the inner cage being configured to provide channelling between the inner cage and the filter medium to allow the liquid to be filtered to contact substantially all of the inner surface of the filter medium, and means to prevent direct flow of the liquid to be filtered from the inside of the inner cage into the backwashing arm.

Compl. specn. 15 pages. Drgs. 5 sheets.

CLASS : 155A & E.

154614

Int. Cl. D 06 m 11|00.

A METHOD AND AN APPARATUS FOR PRODUCING SIZED WRAP YARN.

Applicant : WEST POINT FOUNDRY AND MACHINE COMPANY, OF GEORGIA POST OFFICE BOX : 151, WEST POINT, GEORGIA 31833, UNITED STATES OF AMERICA.

Inventors : 1. CHARLIE R. CHRISTIAN, 2. JACK C. GASKINS, 3. JACK HAMRICK, 4. NORMAN L. REED.

Application No. 1123|Cal|81 filed October 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

Apparatus for producing sized wrap yarn comprising : a first roll across which the material web passes;

a second roll disposed to press against the first roll with the material web squeezed between said two rolls;

means operative to drive said first roll at a predetermined speed related to the movement of the web along the path, so as to tend to rotate said second roll by surface contact with the first roll;

drive means operative to rotate said second roll at a certain angular velocity bearing a predetermined relation to the drive imparted to said second roll by surface contact from said first roll; and

the surface speed of said second roll is less than the surface speed of said first roll by a predetermined amount so that surface contact with said first roll tends to drive the second roll at an angular velocity slightly greater than said angular velocity of said drive means, thereby tending to reduce the driving torque supplied by said drive means to said second roll when said surface contact slips.

Compl. specn. 30 pages.

Drgs. 5 sheets.

CLASS : 4A6.

154615

Int. Cl. B 65 h 54|00.

IMPROVEMENTS IN OR RELATING TO A METHOD OF MANUFACTURING A FILAMENT WOUND ARTICLE.

Applicant: UNITED TECHNOLOGIES CORPORATION, OF 1 FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, UNITED STATES OF AMERICA.

Inventors : 1. DALE EVANS SMITH 2. WARREN HILL PINTER.

Application No. 1127[Cal]81 filed October 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method of manufacturing an article of non-circular, elongate cross section by winding a plurality of overlying layers of filamentary material about a form between a pair of spaced turnarounds while effecting a reciprocating displacement of said filamentary material and form along a winding axis through said form, wherein overlying end turns of adjacent layers are formed by winding said filamentary material about said form while said filamentary material and form are mutually displaced in a first direction along said winding axes and subsequently winding said filamentary material across an outer face of said turnaround engaging the edges thereof while reversing the direction of displacement of said filamentary material and form, the improvement characterized by said turnarounds being of a shape conforming generally to the cross sectional shape of said form, said conformance in shape between said turnaround and form providing minimal filamentary bridging between the edges of said turnarounds and said form along major portions of the perimeters thereof.

Compl. specn. 13 pages.

Drgs. 1 sheet.

CLASS 98-C.

154616

Int. Cl. F 22 d

METHOD AND APPARATUS FOR EATING UP A TUBULAR REACTOR.

Applicant : METALLGESELLSCHAFT A. G. OF 16 FRANKFURT A. M. REUTERWEG, WEST GERMANY.

Inventors : 1. GERHARD CORNELIUS, 2. HERMANN GOHNA, 3. WOLFGANG HILSEBEIJN.

Application No. 1198[Cal]81 filed October 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of producing methanol by passing gases through catalysts contained in tubes of a tubular reactor, which tubes are disposed in a cooling zone and surrounded by cooling water characterised in that the said reactor is initially heated by steam supplied into a mixing chamber which is also supplied with cooling water from the upper portion of the said cooling zone, heated water or steam water mixture from the mixing chamber being forced into the cooling water in the lower portion of the cooling zone.

Compl. specn. 12 pages.

Drgs. 1 sheet.

CLASS : 32-F₂b & 83-A.

154617

Int. Cl. A 23 c 1|26; C 07 d 91|10.

PREPARATION OF SACCHARIN.

Applicant : BASF AKTIENGESELLSCHAFT, AT 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. PETER TONNE, 2. HAGEN JAEDICKE.

Application No. 1202[Cal]81 filed October 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An improved process for the preparation of saccharin by reacting an aqueous hydrochloric acid solution of o-methoxy-carbonylbenzenediazonium chloride with sulfur dioxide, and a known diazonium salt decomposition catalyst characterized in that the process is carried out in the following sequence :

- (a) the aqueous diazonium salt solution is reacted with sulfur dioxide at from 0 to 100°C in the presence of a water-immiscible or only partially water-miscible inert organic solvent.
- (b) in order to decompose the diazonium salt, the reaction mixture is treated simultaneously or subsequently with a known diazonium salt decomposition catalyst.
- (c) the aqueous organic reaction mixture, or the organic phase obtained after removing the aqueous phase, is treated with a known oxidizing agent at from 0 to 100°C and
- (d) the organic phase is reacted with aqueous ammonia at from 0 to 50°C and the saccharin is isolated from the aqueous phase in a conventional manner by acidifying with a strong acid.

Compl. specn. 15 pages.

Drgs. 1 sheet.

CLASS : 33-A & 188

154618

Int. Cl. B 22 d 13|02, 13|10; C 23 c 1|08.

METHOD OF PRODUCING AN ALUMINIZED CASTING.

Applicant : ABEX CORPORATION, 530 FIFTH AVENUE, NEW YORK, NEW YORK 10036, U.S.A.

Inventors : 1. IGOR Y. KHANDROS, 2. BRUCE A. HEYER.

Application No. 1305[Cal]81 filed November 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method of producing an aluminized casting comprising : introducing a high melting point base metal alloy to be aluminized into a rotating centrifugal mold at one end thereof and continuing to do so until a substantially uniform wall thickness of metal is obtained between the ends of the mold, and afterwards, while the mold is rotating and said base metal is still molten, pouring into the mold from the opposite end and on to the molten metal a molten body of aluminizing metal having a melting point lower than that of the base metal resulting in a zone of aluminized metal when solidified.

Compl. specn. 12 pages.

Drgs. 2 sheet.

CLASS : 146-C

154619

Int. Cl. G 01 v 1|00.

A MARINE ACCOUSTICAL STREAMER SECTION FOR AN ELONGATED ACCOUSTICAL STREAMER CABLE.

Applicant : WHITEHORN CORPORATION, P.O. BOX 29319, DALLAS, TEXAS 75229, UNITED STATES OF AMERICA.

Inventor : 1. JAMES RANDALL COPELAND.

Application No. 1350[Cal]81 filed 28th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims

A marine acoustical streamer section for an elongated acoustical streamer cable made up of plural sections connected serially together, the streamer section comprising an elongated streamer jacket of generally cylindrical tubular configuration of predetermined diameter including a bundle of signal wires and plural strain wires extending through the interior thereof and connector couplers at opposite ends thereof adapted to be secured in mated relation without rotation to companion connector couplers of the same constructions at the ends of adjacent streamer sections, each coupler comprising an axially elongated coupler body having a fully cylindrical anchoring head portion at an end thereof and an axially elongated half cylindrical segment portion extending

integrally from said anchoring head portion having distal end spaced from the latter, the half cylindrical segment portions of the companion couplers when secured in mating relation collectively forming a cylinder coaxial with said stremmer jacket of a diameter substantially corresponding to the stremmer jacket diameter, the coupler body defining a partially segmented tubular shell having a concave cavity extending through the length of said segment portion, said anchoring head portion including strain cable anchoring means and means for passing the bundle of signal wires therethrough, insulator core assemblies removably received in said concave cavities having multiterminal electrical pin and socket type plug panels supported in the concave cavity of the associated coupler body to be disposed in confronting immediately adjacent parallelism with and connected to a mating multiterminal electrical plug panel of a companion coupler to be mated therewith, the insulator core assemblies for each coupler body having resilient means interposes between the core assembly and the surrounding coupler body and between its associated electrical plug panel and the panel-supporting portions of the associated core assembly disposing them in floating relation relative to the coupler body so that deformation of the stress carrying coupler body is not transmitted to its associated electrical plug panel, and assembly means adjacent the ends of the half cylindrical segment portions of the coupler bodies remote from their anchoring head portions for securing the coupler bodies together with their half cylindrical segment portions mated together.

Compl. specn. 35 pages.

Drg. 4 sheets.

CLASS : 127-H; & 160-C

154620

Int. Cl. B60 S 1|04.

**LINK FOR MOTION TRANSMITTING MECHANISM
LIKE WINDSCREEN WIPER MECHANISM.**

Applicant : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM, B19 2XF, ENGLAND.

Inventor : 1. JOHN PETER TIMMIS.

Application No. 1402|Cal|81 filed December 9, 1981.

Convention date 10th December, 1980 (8039507) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A link for motion transmitting mechanisms like windscreen wiper mechanism formed of a configurated strip of non-alloy steel having nitrogen diffused through substantially the whole of the section of the strip, the nitrogen being in solid solution in a ferritic matrix, and strip having at least one integral bush bearing defined by part of the strip.

Compl. specn. 10 pages.

Drg. 2 sheets.

CLASS : 128-G & K

154621

Int. Cl. A61b 01|30, 17|50.

INSTRUMENT FOR RETRIEVAL OF RETRACTED THREADS OF INTRATERINE CONTRACEPTIVE DEVICES.

Applicant : AB MYOMETRICON, OF PALSJOVAGEN 20, S-223 63 LUND, SWEDEN.

Inventor : MATS AKERLUND.

Application No. 386|Cal|81 filed April 8, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Instrument for retrieval of retracted threads of intrauterine devices, characterized by a relatively stiff handle part (1) and an archedly curved distal part (2) connected thereto,

which distal part (2) has a rounded cross-section, is flexible, and, on its concave surface is provided with a number of notches at relative distances along the curved distal part (3, 4, 5), these notches to be used for gripping the threads at insertion and turning of the instrument within the uterus.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS 187-H

154622

Int. Cl. H 041 1|00, 3|00.

A DEVICE FOR ERROR-CORRECTING DATA TRANSMISSION.

Applicant : N. V. PHILIPS' GLOEILAMPENFABRIEKEN AT PLETER ZEBMANSTRAAT 6, EINDHOVEN, NETHERLANDS.

Inventors : 1. KENTARO ODAKA, 2. YOICHIRO SAKO, 3. IKUO IWAMOTO, 4. TOSHIKADA DOI, 5. LODEWIJK BAREN.

Application No. 507|Cal|81 filed May 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A device for error correcting data transmission comprising :

- (a) receiving a data stream by receiving each time one data word of a data word series on each of a first plurality of parallel channels according to a first arranging state;
- (b) applying one word on each of said first plurality of parallel channels to a first error correcting coder to generate a first check word series;
- (c) delaying said first check word series and the words of said data word series, after application to said first error correcting coder by mutually different delay times to convert them to a second arranging state;
- (d) applying one word on each of said first plurality of channels and said first check word series in said second arranging state to a second error correcting coder to generate a second check word series;
- (e) transmitting each time one data word on each of a plurality of output channels equal to said first plurality and one first check word series and one second check word series on each of a second plurality of output channels;
- (f) generation of a check word series of k check words is based on the following parity detection matrix H wherein in said first and second correcting coders each word is formed of m bits and a check word series formed in an encoder completes the error correcting block to a total of n words, where-in $n \geq m - 1$

$$H = \left\{ \begin{array}{ccccccc} 1 & 1 & 1 & \cdots & 1 & 1 \\ a_1 & a_2 & a_3 & \cdots & a_{n-1} & a_n \\ a_2 & a_4 & a_6 & \cdots & a_{2(n-1)} & a_{2n} \\ * & * & * & \cdots & * & * \\ * & * & * & \cdots & * & * \\ * & * & * & \cdots & * & * \\ ak-1 & a(k-1)2 & a(k-1)3 & \cdots & a(k-1)(n-1) & a(k-1)n \end{array} \right\}$$

OR 154622

$$H = \left\{ \begin{array}{ccccccc} 1 & 1 & 1 & \cdots & 2 & 1 \\ 1 & a_1 & a_2 & \cdots & a_{n-2} & a_{n-1} \\ 1 & a_2 & a_4 & \cdots & a_{2(n-2)} & a_{2(n-1)} \\ * & * & * & \cdots & * & * \\ * & * & * & \cdots & * & * \\ * & * & * & \cdots & * & * \\ 1 & a_{k-1} & a(k-1)2 & \cdots & a(k-1)(n-2) & a(k-1)n \end{array} \right\}$$

where L is a root which satisfies $F(x)=0$ when $F(x)$ is an irreducible and primitive polynomial of degree m over a field $GF(2)$,

characterized in that it comprises :

- (a) input means for each time receiving on a plurality equal to said first plurality of receiving channels a data word series and in parallel therewith on a plurality equal to said second plurality of receiving channels a first check word series and a second check word series;
- (b) a first decoder means for under control of said second check word series reproducing each time a first plurality of data words and a first check word series by means of a first syndrome generated therein;
- (c) delaying means for realigning said data words and first check word series by mutually different delay times thereamong;
- (d) a second decoder means for under control of said first check word series reproducing each time a first plurality of data words by means of a second syndrome generated therein;
- (e) output means for each time outputting on a plurality of channels equal to said first plurality of outputting channels a data-word of a series of data words, a sequence of data words representing a data stream.

Compl. specn. 28 pages.

Drg. 9 sheets.

PATENTS SEALED

145056 145077 145092 145109 145132 145156 145158 145159
145179 145449 150887 152515.

RENEWAL FEES PAID

123444 123692 123907 124222 124517 124594 128934 129051
129413 129842 129843 133182 133369 133387 133434 133562
133612 133787 135624 136105 136186 136190 137323 137391
137654 138009 138316 139161 139662 139916 139982
140080 140178 140461 140550 140875 141204 141793 141959
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144245 144271 144550 144614 144632 144733 144910 145263
145745 145762 145796 145817 146101 146187 146206 146293
146294 146346 146481 146748 146786 147177 147636 147738
147783 147897 147898 148703 148896 149047 149134 149188
149189 149190 149199 149200 149228 149273 149274 149426
149581 149783 149784 149875 150147 150314 150315 150319
150329 150373 150497 150546 150610 150644 150701 150703
150736 150757 150936 150993 151001 151002 151020 151244
151282 151392 151443 151484 151722 151740 151745 151768
151826 151856 151889 151924 151951 151960 152006 152076
152112.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138925 granted to Harbans Lal Malhotra and Sons formerly known as Harbans Lal Malhotra & Sons Pvt. Ltd. for an invention relating to "a blade dispenser".

The patent ceased on the 28th May, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 17th January 1985, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148691 granted to Josef Krings, for an invention relating to "improvement in support element for pipe ditches which consist of support plates pressed against the ditch wall by longitudinally adjustable spreading means".

The patent ceased on the 12th May, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 17th January 1985, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149061 granted to Dilip Gajanan Gondhalakar for an invention relating to "improved particle size classifier cum separator".

The patent ceased on the 17th October, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 17th January 1985, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149378 granted to Prabha Sridhar for an invention relating to "a fluid level limiter or sensor".

The patent ceased on the 25th October, 1983, due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 17th January 1985, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149379 granted to Prabha Sridhar for an invention relating to "a valve for use with a fluid pipe line".

The patent ceased on the 25th October, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 17th January 1985, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149671 granted to Prabha Sridhar for an invention relating to "a sprinkler".

The patent ceased on the 18th July, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 17th January 1985, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151183 granted to Prabha Sridhar for an invention relating to "a tap".

The patent ceased on the 20th April, 1984, due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 17th January 1985, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

CANCELLATION PROCEEDINGS

(SECTION 51A)

An application made by Blow Plast Ltd. for cancellation of the Registration of Design No. 154341 in class 3 in the name of Universal Luggage Manufacturing Co. Pvt. Ltd. has been filed.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 154196. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India a partnership firm. "Aquator Deep Lift". 21st March, 1984.

Class 1. No. 154197. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Suction Head". 21st March, 1984.

Class 1. No. 154198. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Fire Water Cum Foam Hose Reel". 21st March, 1984.

Class 1. No. 154199. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Deck Delivery Head". 21st March, 1984.

Class 1. No. 154200. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a Partnership firm. "Cigarette Smoke Filter". 21st March, 1984.

Class 1. No. 154201. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Flushing Valve". 21st March, 1984.

Class 1. No. 154202. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Monitor with Inductor". 21st March, 1984.

Class 1. No. 154203. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Pressure/Vacuum Valve". 21st March, 1984.

Class 1. No. 154204. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Priming Bend". 21st March, 1984.

Class 1. No. 154205. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Foot Valve Cum Strainer". 21st March, 1984.

Class 1. No. 154206. R.R. Enterprize (India), F-21, Naraina Vihar, New Delhi-110028, Union Territory of India, India, a partnership firm. "Stop and Vent Valve". 21st March, 1984.

Class 3. No. 154046. Detroit Corporation, a registered partnership firm; of 102-A, Commerce House, Nagindas Master Road Fort, Bombay-400 023, Maharashtra State, Manufacturers and merchants. "Container made wholly of plastic". 14th February, 1984.

Class 3. No. 154130. Denis Chem Lab. Ltd., an Indian Company, incorporated under the Indian Companies Act, having its office at Chhatral-382 729, Dist. Mehsana, (Gujarat State), India. "Holder made of Plastic for bottle". 8th March, 1984.

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